

EUPATORIUM ALBUM L. (COMPOSITAE): NEW TO TEXAS

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ABSTRACT

Eupatorium album L. is reported as new to the state of Texas.

KEY WORDS: Compositae, *Eupatorium*, Texas

Eupatorium album L. is not included in the flora of Texas by Correll & Johnston (1970), nor is it cited by Hatch *et al.* (1990), Johnston (1990), or Jones *et al.* (1996) as occurring in the state. The following collection from east Texas is apparently the first report of the species in Texas.

TEXAS. Anderson Co., Ivy's Preserve, 3 miles WNW of Elkhart, 25 October 1998, Singhurst & Fleming 7115 (BAYLU).

Ivy's Preserve, located at the western limits of the Pineywoods, is a mature hardwood-pine forest dominated by *Pinus taeda* L., *P. echinata* Mill. (Pinaceae), *Quercus stellata* Wang., *Q. falcata* Michx. (Fagaceae), *Acer rubrum* L. (Aceraceae), and *Liquidambar styraciflua* L. (Hamamelidaceae). Common understory plants include *Rhynchosia latifolia* Nutt. ex Torrey & Gray (Leguminosae), *Polygala polygama* L. (Polygalaceae), *Oplismenus hirtellus* (L.) Beauv., *Chasmanthium*

sessiliflorum (Poir.) Yates (Gramineae), and *Elephantopus carolinianus* Raeusch. (Compositae).

Eupatorium album is distributed in eastern North America from Long Island (NY) to the northern part of Florida, westward to Louisiana, Arkansas, east Tennessee, and the southern counties of Ohio and West Virginia (Gleason & Cronquist 1963; Wunderlin 1998; Strausbaugh & Core 1978). Gandhi & Thomas (1989) report that the species is widespread in the dry woods of Louisiana, which includes two parishes (Sabine and Vernon) that border Texas. Within Arkansas, the species is known in the central and south-central parts of the state (Smith 1988). The Texas record expands the known distribution of the species about 200 km to the west.

In Correll & Johnston (1970), the species would key to *Eupatorium leucolepis* (DC.) Torrey & Gray. The two species may be distinguished by use of the following key, which is adapted from Radford *et al.* (1968), but based upon Texas material.

1. Leaves 5-9 mm wide, the lower surfaces cinereous; phyllaries densely pubescent. .
..... *Eupatorium leucolepis*
1. Leaves 10 mm or more wide, the lower surfaces glabrous except for pilose on the
larger veins; phyllaries glabrous or pilose only at base..... *Eupatorium album*

The phyllaries of both species are densely covered with globular resinous glands. The glands of *Eupatorium leucolepis* are somewhat obscured by the dense pubescence, while those of *E. album* are much more conspicuous because of the more glabrate nature of the phyllaries. Correll & Johnston (1970) considered *E. leucolepis* to be rare in east and southeast Texas (Hardin, Jasper, Orange, and Tyler counties).

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